

PRELIMINARY
NOT FOR CONSTRUCTION



Certificate of Authorization

HDK Consulting Incorporated

No. 5539 Date: 04/30/2015



5		
4		
3		
2	ISSUED FOR CONSTRUCTION	FEB 23/15
1	ISSUED FOR 95% REVIEW	DEC 22/14
0	ISSUED FOR 50% REVIEW	OCT 29/14

Revision Description Date

Client client

ROYAL CANADIAN
MOUNTED POLICE
D-DIVISION

1091 PORTAGE AVENUE
WINNIPEG, MANITOBA

Project Project

WINNIPEG, MANITOBA
1091 PORTAGE AVENUE
D-DIVISION HEADQUARTERS

FIRING RANGE UPGRADE

Designed by Conçu par

DH/RR

Drawn by Dessiné par

RR

Approved by Approuvé par

DH

PWGSC Project Manager Administrateur de Projets TPSGC

PAUL DUCHARME

Drawing title Titre du dessin

SUB-BASEMENT
NEW MECHANICAL PLAN

PARTIAL PENTHOUSE
NEW MECHANICAL PLAN

Project no./No. du projet Drawing no./No. du dessin Revision no.

M1.0
OF 04

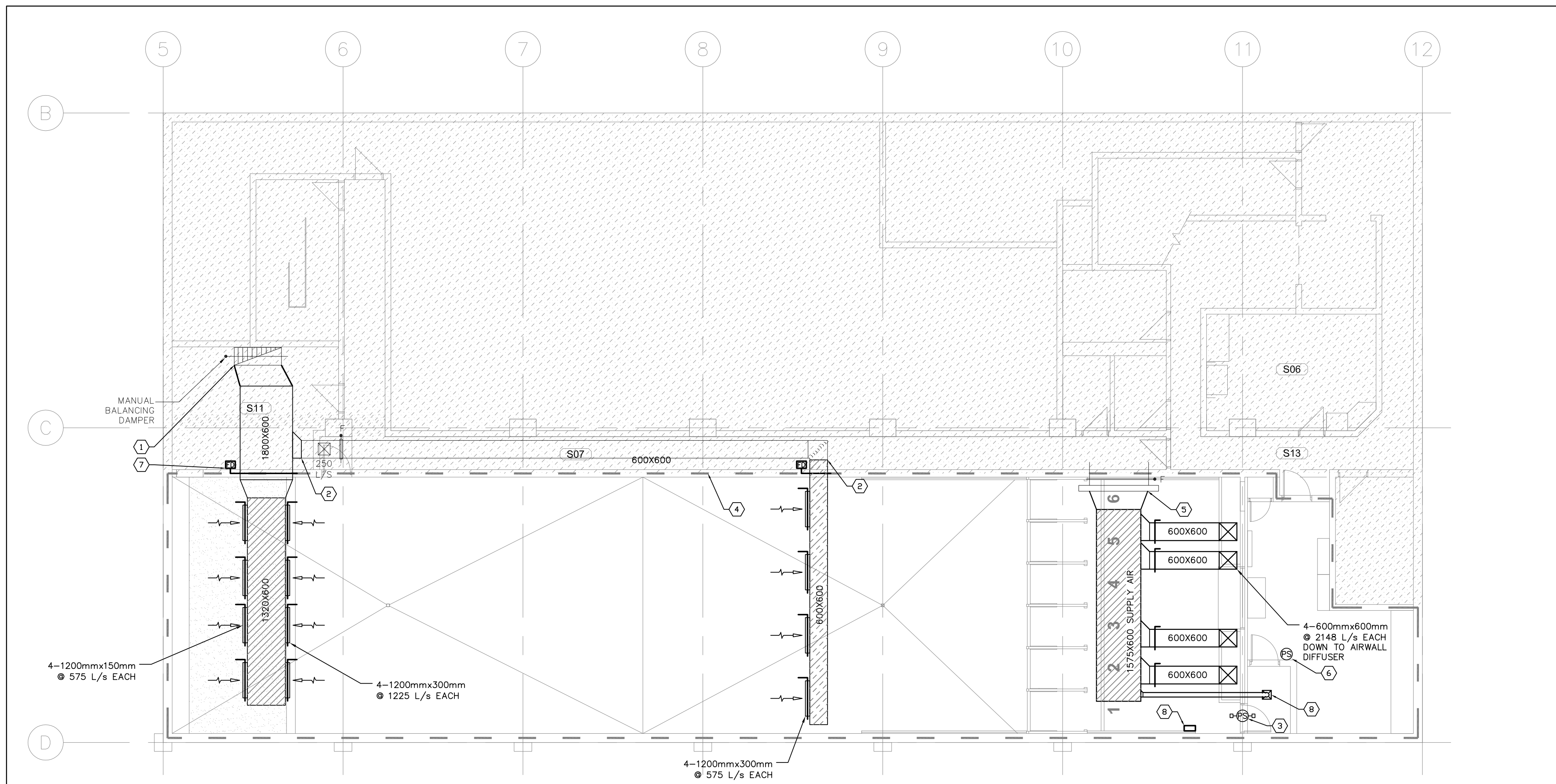
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1/M1.0 NEW DRAWING NOTES:

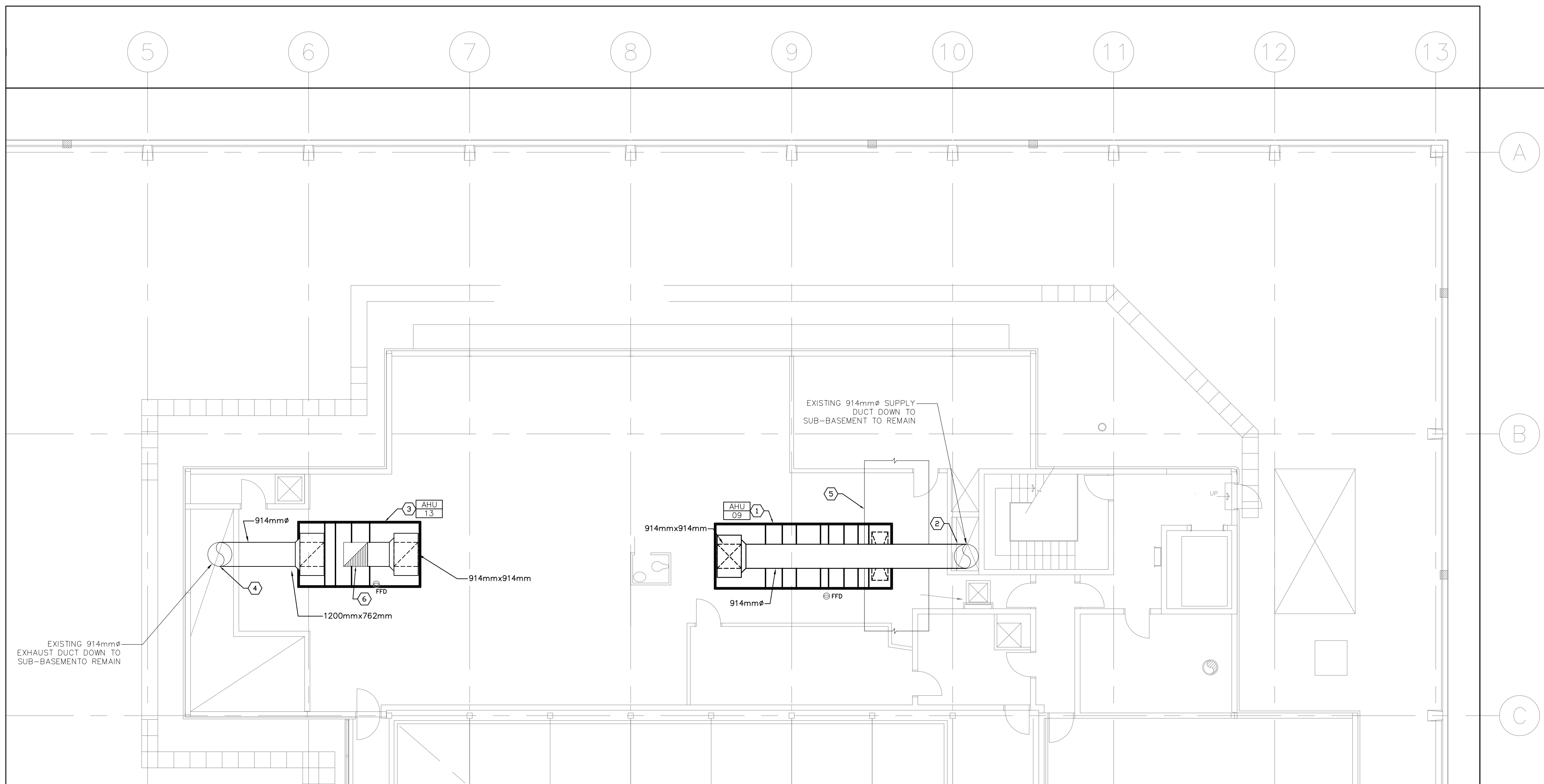
- CONNECT NEW 1800mmx600mm EXHAUST DUCT TO EXISTING AT APPROXIMATELY THIS LOCATION. MODIFY CONNECTIONS TO SUIT NEW DUCT INSTALLATION.
- MODIFY CONNECTION TO SUIT NEW EXHAUST DUCT INSTALLATION.
- PROVIDE DIFFERENTIAL PRESSURE SENSOR BETWEEN VESTIBULE AND RANGE. WIRE TO DIFFERENTIAL PRESSURE MONITOR LOCATED OUTSIDE THE VESTIBULE.
- REFER TO DRAWING M2.1 FOR SPRINKLER HEADS AND PIPING WORK IN THIS OUTLINED AREA.
- CONNECT NEW 1575mmx600mm SUPPLY AIR DUCT TO EXISTING. MODIFY CONNECTION TO SUIT NEW INSTALLATION.
- DIFFERENTIAL PRESSURE MONITOR. INTERCONNECTED WITH ALARM TO DDC.
- PROVIDE NEW FIRE DAMPER TO SUIT NEW DUCT SIZE.
- DDC VENTILATION CONTROL PANEL.
- 300x300mm SUPPLY AIR DIFFUSER, OFF WHITE SQUARE PLAQUE FOR T-BAR MOUNTING WITH 100mm ϕ NECK SIZE.

2/M1.0 NEW DRAWING NOTES:

- NEW SUPPLY AIR HANDLING UNIT (AHU-09). CONNECT ALL HYDRONIC AND STEAM PIPING AND CONTROLS RESPECTIVELY. PROVIDE REDUCER FITTINGS IF REQUIRED. COORDINATE PIPE ROUTING TO SUIT NEW INSTALLATION.
- CONNECT NEW 914mm ϕ SUPPLY AIR DUCT TO EXISTING 914mm ϕ IN SHAFT. MODIFY CONNECTION TO SUIT NEW INSTALLATION.
- NEW EXHAUST AIR HANDLING UNIT (AHU-13). CONNECT ALL HYDRONIC PIPING AND CONTROLS RESPECTIVELY. PROVIDE REDUCER FITTINGS IF REQUIRED. COORDINATE PIPE ROUTING TO SUIT NEW INSTALLATION.
- CONNECT NEW 914mm ϕ EXHAUST AIR DUCT TO EXISTING 914mm ϕ IN SHAFT. MODIFY CONNECTION TO SUIT NEW INSTALLATION.
- EXISTING FRESH AIR PLENUM.
- EXISTING EXHAUST AIR DUCT THROUGH ROOF.



1 SUB-BASEMENT — NEW MECHANICAL PLAN
M1.0 M1.0 1:100



2 PARTIAL PENTHOUSE — NEW MECHANICAL PLAN
M1.0 M1.0 1:100